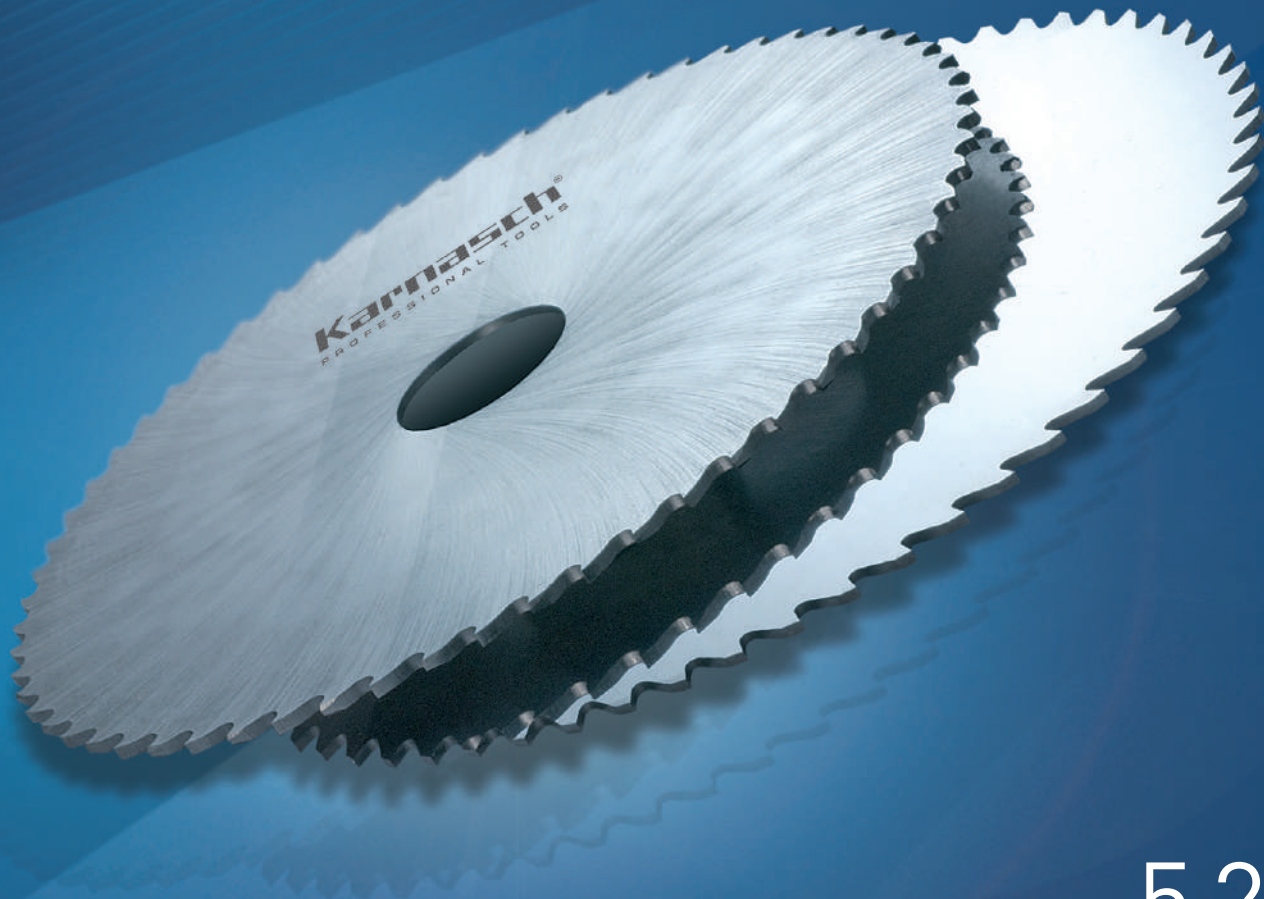


METALLKREISSÄGEBLÄTTER · HSS-DM05 · HSS-Co5 · HSS-DIN · VOLLHARTMETALL

METAL CIRCULAR SAW BLADES · HSS-DM05 · HSS-Co5 · HSS-DIN · SOLID CARBIDE



5.2

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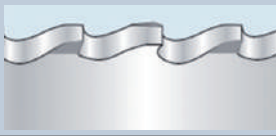
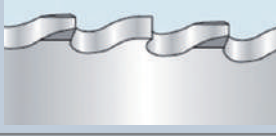



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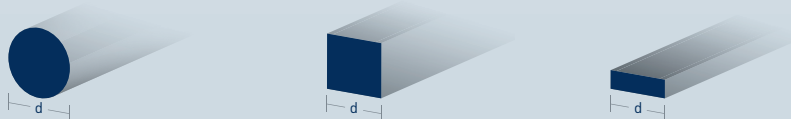


9

Zahnformen Tooth shapes

BW	Zum Sägen von Profilen und Röhren. For cutting profile and pipes.	
HZ	Zum Sägen von Vollmaterial und Rohre, Profile mit dickeren Wandstärken > 3 mm For cutting solid material and thicker profiles, pipes > 3 mm	
BR	Spezialverzahnung zum Sägen von Profilen und Röhren. Im Vergleich zur Zahnform BW hat diese die doppelte Anzahl von Zahnflanken im Eingriff. Daraus resultiert weitaus höhere Standzeit und saubere Schnittflächen. Preis und Lieferung auf Anfrage. Special geometry for cutting pipes and profiles. In comparison to tooth shape BW has this BR shape double the number of cutting edges. This results to a much higher number of cuts and smooth surface finish. Price and time of delivery on request.	

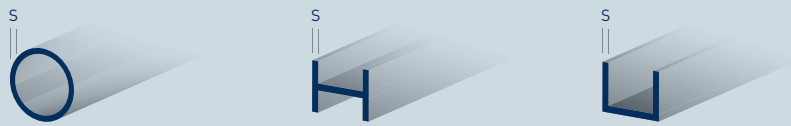
Empfohlene Zähnezahl zum Sägen von Vollmaterial Recommended number of teeth for cutting solid material



Querschnitt Crosscut d mm	Zahnteilung Pitch	Zahnform Tooth shape	Ø mm	Ø mm	Ø mm	Ø mm	Ø mm	Ø mm	Ø mm	Ø mm	Ø mm	Ø mm	Ø mm	Ø mm	Ø mm
			175	200	250	275	300	315	350	370	400	425	450	500	560
			*40 mm	*45 mm	*60 mm	*65 mm	*70 mm	*75 mm	*80 mm	*86 mm	*96 mm	*106 mm	*112 mm	*128 mm	*145 mm
10 mm	5	HZ	110	130	160	180	180	200	220	220	250	260	280	310	350
20 mm	6	HZ	90	100	128	140	160	160	180	190	200	220	230	260	300
30 mm	8	HZ	70	80	100	110	120	120	140	140	160	160	180	200	220
50 mm	8	HZ			100	90	120	120	140	140	160	160	180	200	220
70 mm	10	HZ					94	100	110	110	120	130	140	160	180
90 mm	12	HZ					80	80	90	90	110	110	120	130	150
110 mm	14	HZ								80	80	80	90	100	120
130 mm	14	HZ									80	80	90	100	120
150 mm	16	HZ											80	90	100
160 mm	16	HZ												90	100
180 mm	18	HZ												80	90

* Maximaler Schnittbereich · Maximum cutting capacity

Empfohlene Zähnezahl zum Sägen von Röhren und Profilen Recommended number of teeth for cutting pipes and profiles



Wandstärke Wall thickness S mm	Zahnteilung Pitch	Zahnform Tooth shape	Ø mm	Ø mm	Ø mm	Ø mm	Ø mm	Ø mm	Ø mm	Ø mm	Ø mm	Ø mm	Ø mm	Ø mm	Ø mm
			175	200	250	275	300	315	350	370	400	425	450	500	560
			*40 mm	*45 mm	*60 mm	*65 mm	*70 mm	*75 mm	*80 mm	*86 mm	*96 mm	*106 mm	*112 mm	*128 mm	*145 mm
0,5 mm	3	BW	180	200	250	280	300	320	350	380					
1,0 mm	4	BW, BR	140	160	200	220	220	240	280	290	310	320	350	390	
2,0 mm	4,5	BW, BR	120	140	180	200	210	230	250	260	280	290	310	350	390
3,0 mm	5	BW, BR	110	130	160	180	180	200	220	230	250	260	280	310	350
4,0 mm	6	HZ, BR	90	100	130	140	160	170	180	200	200	220	230	260	290
5,0 mm	8	HZ, BR		80	100	110	120	130	140	150	160	170	180	200	220
6,0 mm	9	HZ, BR			90	100	110	120	130	130	140	150	160	180	200
7,0 mm	10	HZ, BR						100	110	120	120	130	140	160	180
8,0 mm	11	HZ, BR											130	140	160
9,0 mm	12	HZ, BR												130	150
10,0 mm	13	HZ												120	130

* Maximaler Schnittbereich · Maximum cutting capacity

Schnittparameter Vollmaterial
Cutting parameters solid material



Werkstoffe Materials		fz (mm/z)		Schnittgeschwindigkeit · Cutting speed Vc (m/min)			
		Vorschub pro Zahn Feed per tooth		5 1000	5 1040	5 1300	5 1340
		Min	Max	HSS-DMo5 Dampfbehandelt Steam treated	HSS-DMo5 Kx-Beschichtet Kx-coated	HSS-Co5 Dampfbehandelt Steam treated	HSS-Co5 Kx-Beschichtet Kx-coated
Stahl · Steel	< 500 N/mm ²	0,025	0,08	30-40	30-50	-	-
	< 800 N/mm ²	0,025	0,07	20-35	25-40	-	-
	< 1200 N/mm ²	0,02	0,06	-	-	15-25	15-30
Rostfreie Stähle · Stainless steel		0,01	0,06	-	-	10-25	10-30
Guss · Cast iron		0,025	0,05	-	-	20-30	30-50
Aluminium · Aluminum		0,04	0,09	-	500-900	-	-
Bronze · Bronze		0,04	0,07	-	200-400	-	-
Kupfer · Copper		0,04	0,06	-	200-300	-	-
Messing · Brass		0,04	0,08	-	400-600	-	-
Zinklegierungen · Zinc Alloy		0,025	0,08	-	30-100	-	-
Inconel · Inconel		0,025	0,05	-	-	-	16-45
Titan · Titanium		0,02	0,05	-	-	-	15-30

Schnittparameter Rohre und Profile
Cutting parameters pipes and profiles



Werkstoffe Materials		fz (mm/z)		Schnittgeschwindigkeit · Cutting speed Vc (m/min)			
		Vorschub pro Zahn Feed per tooth		5 1000	5 1040 5 1305	5 1300	5 1340
		Min	Max	HSS-DMo5 Dampfbehandelt Steam treated	HSS-DMo5 Kx-Beschichtet Kx-coated	HSS-Co5 Dampfbehandelt Steam treated	HSS-Co5 Kx-Beschichtet Kx-coated
Stahl · Steel	< 500 N/mm ²	0,025	0,24	45-130	70-230	-	-
	< 800 N/mm ²	0,025	0,18	30-100	45-140	-	-
	< 1200 N/mm ²	0,02	0,12	-	-	15-50	25-100
Rostfreie Stähle · Stainless steel		0,01	0,12	-	-	15-45	16-80
Guss · Cast iron		0,025	0,05	-	-	15-45	30-65
Aluminium · Aluminum		0,025	0,12	-	1000-1600	-	-
Bronze · Bronze		0,04	0,07	-	200-400	-	-
Kupfer · Copper		0,04	0,06	-	200-300	-	-
Messing · Brass		0,04	0,08	-	400-600	-	-
Zinklegierungen · Zinc Alloy		0,025	0,08	-	30-100	-	-
Inconel · Inconel		0,02	0,08	-	-	-	16-45
Titan · Titanium		0,02	0,08	-	-	-	15-30

Festlegung der Schnittgeschwindigkeit Vc
Determination of cutting speed Vc

$$Vc \text{ (m/min)} = \frac{D \cdot \pi \cdot n}{1000}$$

Festlegung der Vorschubgeschwindigkeit Vf
Determination of feed rate Vf

$$Vf \text{ (mm/min)} = fz \cdot n \cdot Z$$

Festlegung der Drehzahl n
Determination of revolution speed n

$$n \text{ (min}^{-1}\text{)} = \frac{Vc \cdot 1000}{D \cdot \pi}$$

- fz (mm/z) = Vorschub pro Zahn · Feed per tooth
- D (mm) = Sägendurchmesser · Saw blade diameter
- Z = Anzahl der Zähne · Number of teeth
- n (min⁻¹) = Drehzahl · rpm

1



2



3



4



5



6



7



8



9



Index

5 1000

Dampfbehandelt
Steam treated

HSS-DMo5
(M2)-DIN
1.3343



ANWENDUNG · APPLICATION



Stahl
Steel
< 800 N

Siehe ab Seite 1053
See from page 1053

Für Stähle ≤ 800 N/mm²

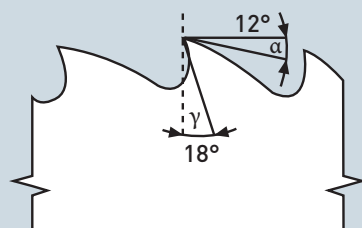
HSS-DMo5: Hochlegierter Schnellarbeitsstahl mit Wolfram-, Vanadium- und Molybdänanteil für:

- Sehr gute mechanische Eigenschaften und hervorragende Festigkeit mit einer Härte von 64 ± 1HRC.

"Dampfbehandelt" ist eine kontrollierte Oxydierung CO₂ der Oberfläche durch Anlassen der fertigen Kreissägen in erhitztem Dampf bei ca. 350 °C. Dies ergibt:

- Feine Mikroporen zur besseren Verteilung des Kühlmittels.
- Oberflächenhärte von 900 HV.
- Außergewöhnlich feine Oberflächenschicht welche die Reibung extrem verringert (Reibungskoeffizient 0,60).

Zahnwinkel



For steels ≤ 800 N/mm²

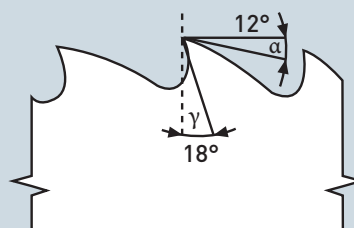
HSS-DMo5: High-speed steel which includes vanadium, wolfram and Molybdenum. This results to:

- Very good mechanical characteristics and excellent strength with a hardness of 64 ± 1HRC.

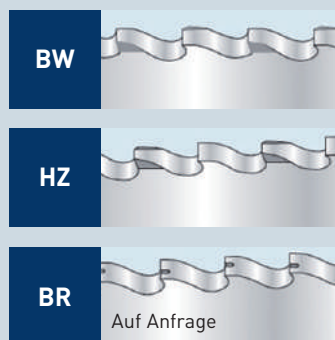
"Steam treated" is a surface modification by CO₂ oxidation. Circular saws are let to tempering in overheated steam of arround 350 °C. This results to:

- Microporosity arised on surface enables better coolant distribution
- Surface hardness of 900 HV.
- Extremely fine surface layer decreases the friction (antifriction). Coefficient friction 0,60.

Cutting angles



ZAHNFORMEN

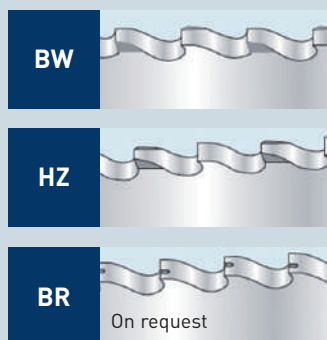


SEITENSCHLAG

∅ 200-225 = 0,15
∅ 250-300 = 0,20
∅ 315-400 = 0,25
∅ 425-450 = 0,30
∅ 500 = 0,35

Reduzierter Seitenschlag auf Anfrage

TOOTH SHAPE



SIDE RUNOUT

∅ 200-225 = 0,15
∅ 250-300 = 0,20
∅ 315-400 = 0,25
∅ 425-450 = 0,30
∅ 500 = 0,35

Reduced side runout on request

Film Movie



Kx Beschichtet
Kx coated

5 1040
HSS-DMo5
(M2)-DIN
1.3343



ANWENDUNG · APPLICATION

Stahl Steel	Alu Alu	Kupfer, Kupfer- legierungen Copper, copper alloys	Zinklegierung Zinc alloy
< 800 N			

Siehe ab Seite 1053
See from page 1053

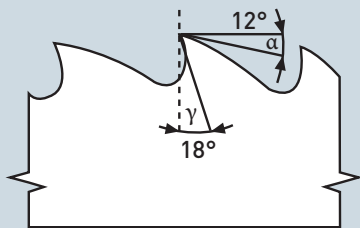
Für Stähle/Edelstähle ≤ 800 N/mm²
Aluminium, Kupfer, Messing

HSS-DMo5: Hochlegierter Schnellarbeitsstahl mit Wolfram-, Vanadium- und Molybdänanteil für:
– Sehr gute mechanische Eigenschaften und hervorragende Festigkeit mit einer Härte von 64 ± 1HRC.

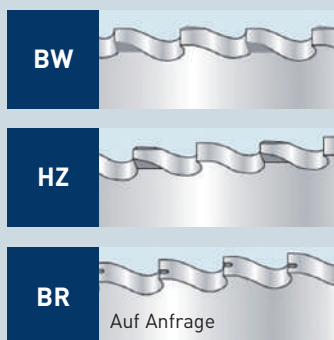
Kx Beschichtung: Ergibt generell weitaus höhere Standzeiten als Dampf-behandelte Blätter (siehe Art. 5 1000).

Weiterhin:
– Gute Widerstandsfähigkeit bei hohen Bearbeitungstemperaturen. Daher geeignet auch bei ungenügender Kühlung, Minimalschmierung, Sprühnebelschmierung.
– Durch geringen Reibungskoeffizient (0,45) und hoher Oberflächenhärte von 3500 HV sind höhere Schnittgeschwindigkeiten möglich. Daher ideal für automatische Maschinen.

Zahnwinkel



ZAHNFORMEN



SEITENSCHLAG

∅ 200–225 = 0,15
∅ 250–300 = 0,20
∅ 315–400 = 0,25
∅ 425–450 = 0,30
∅ 500 = 0,35

Reduzierter Seitenschlag auf Anfrage

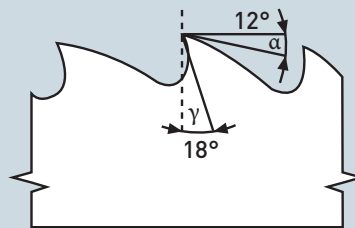
For steel/stainless steel ≤ 800 N/mm²
Aluminum, copper, brass

HSS-DMo5: High-speed steel which includes vanadium, wolfram and Molybdenum. This results to:
– Very good mechanical characteristics and excellent strength with a hardness of 64 ± 1HRC.

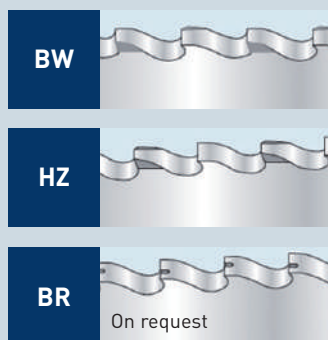
Kx coating: Provides much longer tool life than steam treated blades (see Art. 5 1000).

Furthermore:
– High resistance in high work temperatures. Therefore ideal also in cuts with insufficient cooling, minimal cooling, spray oil (mist).
– Due to low friction coefficient (0,45) and high surface hardness of 3500 HV suitable for higher cutting speed. Therefore ideal for automatic machines.

Cutting angles



TOOTH SHAPE



SIDE RUNOUT

∅ 200–225 = 0,15
∅ 250–300 = 0,20
∅ 315–400 = 0,25
∅ 425–450 = 0,30
∅ 500 = 0,35

Reduced side runout on request

Film
Movie



Index

5 1300

Dampfbehandelt
Steam treated

**HSS-Co5
Cobalt 5%
(M35)-DIN 1.3243**



ANWENDUNG · APPLICATION

Stahl	Edelstahl	Grauguss
Steel	Stainless	Grey cast iron
< 1200 N		

Siehe ab Seite 1053
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**Für Stähle/Edelstähle ≤ 1200 N/mm²
Guss, Bronze, Zinklegierungen, Inconel**

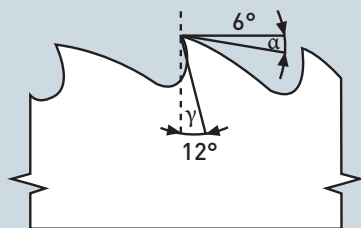
HSS-Co5: Hochlegierter Schnellarbeitsstahl mit Wolfram-, Molybdän- und **Kobaltanteile**. Kobalt verhindert das Kornwachstum bei hohen Betriebstemperaturen. Dadurch behält der Stahl seine Härte. Diese Eigenschaften sind erforderlich wenn **harte** und **hochlegierte** Werkstoffe wie z.B. Edelstahl geschnitten werden sollen, welche im Schneidbereich hohe Temperaturen erzeugen.

Härte des Stahls: 65 ± 1HRC.

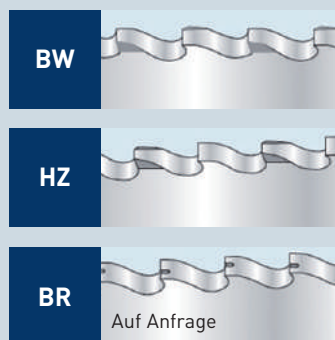
"Dampfbehandelt" ist eine kontrollierte Oxydierung CO₂ der Oberfläche durch Anlassen der fertigen Kreissägen in erhitztem Dampf bei ca. 350 °C. Dies ergibt:

- Feine Mikroporen zur besseren Verteilung des Kühlmittels.
- Oberflächenhärte von 900 HV.
- Außergewöhnlich feine Oberflächenschicht welche die Reibung extrem verringert (Reibungskoeffizient 0,60).

Zahnwinkel



ZAHNFORMEN



SEITENSCHLAG

∅ 200-225 = 0,15
∅ 250-300 = 0,20
∅ 315-400 = 0,25
∅ 425-450 = 0,30
∅ 500 = 0,35

Reduzierter Seitenschlag auf Anfrage

**For steel/stainless steel ≤ 1200 N/mm²
Cast iron, bronze, zinc alloy, inconel**

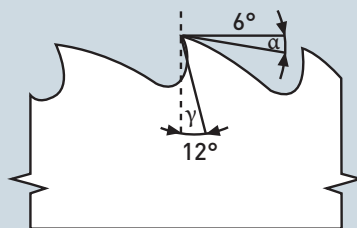
HSS-Co5: Strongly alloyed high speed steel with content of wolfram, molybdenum and **cobalt**. Cobalt obstructs critical grain growth and above all, maintains an excellent degree of hardness at high operating temperatures. These characteristics are very important when cutting very high-alloy materials such as stainless steel and very hard metals, which tend to develop high temperatures in the cutting zone.

Hardness of this steel: 65 ± 1HRC.

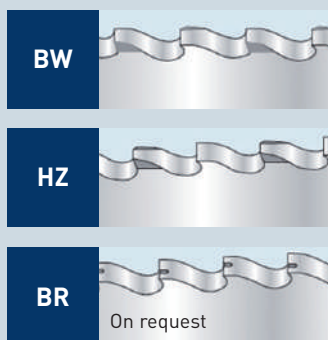
"Steam treated" is a surface modification by CO₂ oxidation. Circular saws are let to tempering in overheated steam of around 350 °C. This results to:

- Microporosity arised on surface enables better coolant distribution
- Surface hardness of 900 HV.
- Extremely fine surface layer decreases the friction (antifriction). Coefficient friction 0,60.

Cutting angles



TOOTH SHAPE



SIDE RUNOUT

∅ 200-225 = 0,15
∅ 250-300 = 0,20
∅ 315-400 = 0,25
∅ 425-450 = 0,30
∅ 500 = 0,35

Reduced side runout on request

Film
Movie



Kx Beschichtet
Kx coated

5 1340
HSS-Co5
Cobalt 5%
(M35)-DIN 1.3243



ANWENDUNG · APPLICATION

Stahl	Edelstahl	Grauguss	Inconel	Titan
Steel	Stainless	Grey cast iron	Inconel	Titanium
< 1200 N				

Siehe ab Seite 1053
See from page 1053

Für Stähle/Edelstähle ≤ 1200 N/mm²
Guss, Bronze, Zinklegierungen, Inconel

HSS-Co5: Hochlegierter Schnellarbeitsstahl mit Wolfram-, Molybdän- und **Kobaltanteile**. Kobalt verhindert das Kornwachstum bei hohen Betriebstemperaturen. Dadurch behält der Stahl seine Härte. Diese Eigenschaften sind erforderlich wenn **harte** und **hochlegierte** Werkstoffe wie z.B. Edelstahl geschnitten werden sollen, welche im Schneidbereich hohe Temperaturen erzeugen.

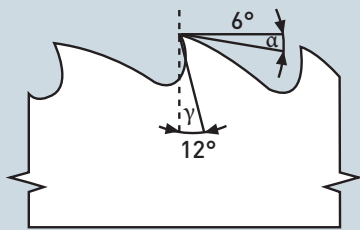
Härte des Stahls: 65 ± 1HRC.

Kx Beschichtung: Ergibt generell weitaus höhere Standzeiten als Dampfbehandelte Blätter (siehe Art. 5 1300).

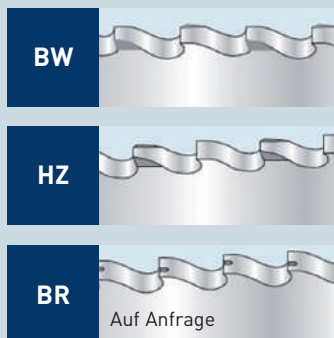
Weiterhin:

- Gute Widerstandsfähigkeit bei hohen Bearbeitungstemperaturen. Daher geeignet auch bei ungenügender Kühlung, Minimalschmierung, Sprühnebelschmierung.
- Durch geringen Reibungskoeffizient (0,50) und hoher Oberflächenhärte von 3500 HV sind höhere Schnittgeschwindigkeiten möglich. Daher ideal für automatische Maschinen.

Zahnwinkel



ZAHNFORMEN



SEITENSCHLAG

∅ 200-225 = 0,15
∅ 250-300 = 0,20
∅ 315-400 = 0,25
∅ 425-450 = 0,30
∅ 500 = 0,35

Reduzierter Seitenschlag auf Anfrage

For steel/stainless steel ≤ 1200 N/mm²
Cast iron, bronze, zinc alloy, inconel

HSS-Co5: Strongly alloyed high speed steel with content of wolfram, molybdenum and **cobalt**. Cobalt obstructs critical grain growth and above all, maintains an excellent degree of hardness at high operating temperatures. These characteristics are very important when cutting very high-alloy materials such as stainless steel and very hard metals, which tend to develop high temperatures in the cutting zone.

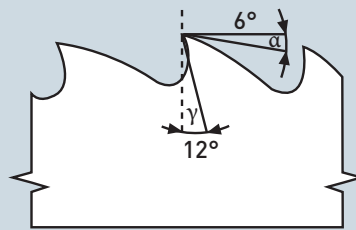
Hardness of this steel: 65 ± 1HRC.

Kx coating: Provides much longer tool life than steam treated blades (see Art. 5 1300).

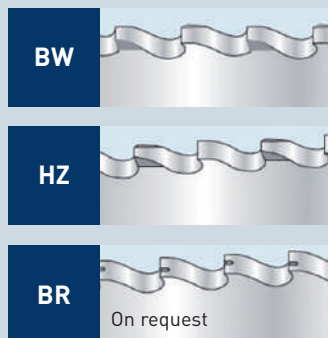
Furthermore:

- High resistance in high work temperatures. Therefore ideal also in cuts with insufficient cooling, minimal cooling, spray oil (mist).
- Due to low friction coefficient (0,50) and high surface hardness of 3500 HV suitable for higher cutting speed. Therefore ideal for automatic machines.

Cutting angles



TOOTH SHAPE



SIDE RUNOUT

∅ 200-225 = 0,15
∅ 250-300 = 0,20
∅ 315-400 = 0,25
∅ 425-450 = 0,30
∅ 500 = 0,35

Reduced side runout on request

Film
Movie



5 1305

HSS-DMo5
(M2)-DIN
1.3343

Kx Beschichtet + Profil Geometrie
Kx coated + profile geometry



ANWENDUNG · APPLICATION

Stahl Steel	Alu Alu	Kupfer, Kupfer- legierungen Copper, copper alloys	Zinklegierung Zinc alloy
< 800 N			

Beste Schneidgeometrie zum Sägen von Rohren und Profilen aus Stahl/Edelstahl ≤ 800 N/mm² sowie aus Aluminium, Kupfer, Messing

Preis und Lieferzeit auf Anfrage

HSS-DMo5: Hochlegierter Schnellarbeitsstahl mit Wolfram-, Vanadium- und Molybdänanteil für:

- Sehr gute mechanische Eigenschaften und hervorragende Festigkeit mit einer Härte von 64 ± 1HRC.

Kx Beschichtung: Ergibt generell weitaus höhere Standzeiten als Dampf-behandelte Blätter (siehe Art. 5 1000).

Weiterhin:

- Gute Widerstandsfähigkeit bei hohen Bearbeitungstemperaturen. Daher geeignet auch bei ungenügender Kühlung, Minimalschmierung, Sprühnebelschmierung.
- Durch geringen Reibungskoeffizient (0,45) und hoher Oberflächenhärte von 3500 HV sind höhere Schnittgeschwindigkeiten möglich. Daher Ideal für automatische Maschinen.

Best cutting geometry for cutting pipes, profiles made of steel/stainless steel ≤ 800 N/mm² and made of aluminum, copper, brass

Price and time of delivery on request

HSS-DMo5: High-speed steel which includes vanadium, wolfram and Molybdenum. This results to:

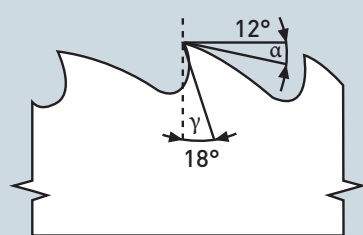
- Very good mechanical characteristics and excellent strength with a hardness of 64 ± 1HRC.

Kx coating: Provides much longer tool life than steam treated blades (see Art. 5 1000).

Furthermore:

- High resistance in high work temperatures. Therefore ideal also in cuts with insufficient cooling, minimal cooling, spray oil (mist).
- Due to low friction coefficient (0,45) and high surface hardness of 3500 HV suitable for higher cutting speed. Therefore ideal for automatic machines.

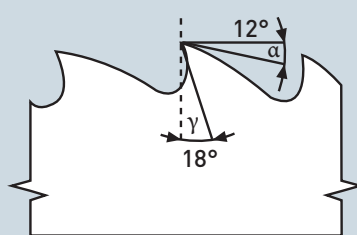
Zahnwinkel



Profil Geometrie (BR)



Cutting angles



Profile Geometry (BR)



ZAHNFORMEN

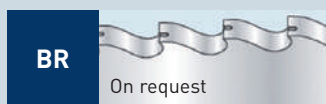


SEITENSCHLAG

∅ 200-225 = 0,15
∅ 250-300 = 0,20
∅ 315-400 = 0,25
∅ 425-450 = 0,30
∅ 500 = 0,35

Reduzierter Seitenschlag auf Anfrage

TOOTH SHAPE



SIDE RUNOUT




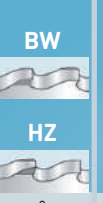
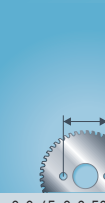
∅ 200-225 = 0,15
∅ 250-300 = 0,20
∅ 315-400 = 0,25
∅ 425-450 = 0,30
∅ 500 = 0,35

Reduced side runout on request

Film
Movie



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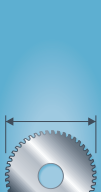


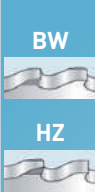

					1048	1049	1050	1051				
					5 1000 HSS-DMo5 Dampfbehandelt Steam treated	5 1040 HSS-DMo5 Kx-Beschichtet Kx-coated	5 1300 HSS-Co5 Dampfbehandelt Steam treated	5 1340 HSS-Co5 Kx-Beschichtet Kx-coated				
					Art.	€	Art.	€	Art.	€	Art.	€
												
200	1,2	32	0	2-8-45+2-9-50+2-11-63	● 5 1000 200 010	57,55	-	-	-	-	-	-
200	1,2	32	200 BW	2-8-45+2-9-50+2-11-63	● 5 1000 200 020	62,45	-	-	-	-	-	-
200	1,2	32	160 BW	2-8-45+2-9-50+2-11-63	● 5 1000 200 030	62,45	-	-	-	-	-	-
200	1,2	32	140 BW	2-8-45+2-9-50+2-11-63	⊗ 5 1000 200 040	33,50	-	-	-	-	-	-
200	1,6	32	0	2-8-45+2-9-50+2-11-63	● 5 1000 200 050	52,85	-	-	-	-	-	-
200	1,6	32	200 BW	2-8-45+2-9-50+2-11-63	● 5 1000 200 060	57,40	-	-	-	-	-	-
200	1,6	32	160 BW	2-8-45+2-9-50+2-11-63	● 5 1000 200 070	57,40	-	-	-	-	-	-
200	1,6	32	100 HZ	2-8-45+2-9-50+2-11-63	● 5 1000 200 080	57,40	-	-	-	-	-	-
200	1,8	32	0	2-8-45+2-9-50+2-11-63	● 5 1000 200 090	51,60	-	-	-	-	-	-
200	1,8	32	200 BW	2-8-45+2-9-50+2-11-63	● 5 1000 200 100	56,10	-	-	-	-	-	-
200	1,8	32	160 BW	2-8-45+2-9-50+2-11-63	● 5 1000 200 110	56,10	-	-	-	-	-	-
200	2,0	32	0	2-8-45+2-9-50+2-11-63	● 5 1000 200 130	54,05	-	-	-	-	-	-
200	2,0	32	200 BW	2-8-45+2-9-50+2-11-63	● 5 1000 200 140	58,80	-	-	-	-	-	-
200	2,0	32	160 BW	2-8-45+2-9-50+2-11-63	● 5 1000 200 150	58,80	-	-	-	-	-	-
200	2,0	32	130 BW	2-8-45+2-9-50+2-11-63	● 5 1000 200 160	58,80	-	-	-	-	-	-
200	2,0	32	100 HZ	2-8-45+2-9-50+2-11-63	● 5 1000 200 170	58,80	-	-	-	-	-	-
200	2,0	32	0	-	⊗ 5 1000 200 180	27,30	-	-	-	-	-	-
200	2,0	32	200 BW	-	⊗ 5 1000 200 190	29,65	-	-	-	-	-	-
200	2,0	32	160 BW	-	-	-	-	-	-	-	-	-
200	2,0	32	130 BW	-	⊗ 5 1000 200 210	29,65	-	-	-	-	-	-
200	2,0	32	100 HZ	-	⊗ 5 1000 200 220	31,50	-	-	-	-	-	-
210	2,0	32	0	2-8-45+2-9-50+2-11-63	-	-	-	⊗ 5 1300 210 010	34,65	-	-	-
210	2,0	32	210 BW	2-8-45+2-9-50+2-11-63	⊗ 5 1000 210 020	40,40	-	-	-	-	-	-
210	2,0	32	160 BW	2-8-45+2-9-50+2-11-63	-	-	-	⊗ 5 1300 210 025	37,25	-	-	-
210	2,0	32	120 HZ	2-8-45+2-9-50+2-11-63	-	-	⊗ 5 1040 210 027	41,55	-	-	-	-
210	2,0	40	0	2-8-55 + 4-11-63	⊗ 5 1000 210 030	37,15	-	-	⊗ 5 1300 210 030	34,65	-	-
210	2,0	40	160 BW	2-8-55 + 4-11-63	⊗ 5 1000 210 040	40,40	⊗ 5 1040 210 040	41,55	-	-	-	-
225	1,2	32	0	2-8-45+2-9-50+2-11-63	● 5 1000 225 010	78,35	-	-	-	-	-	-
225	1,2	32	220 BW	2-8-45+2-9-50+2-11-63	● 5 1000 225 020	87,50	-	-	-	-	-	-
225	1,2	32	180 BW	2-8-45+2-9-50+2-11-63	⊗ 5 1000 225 030	40,95	-	-	-	-	-	-
225	1,2	32	160 BW	2-8-45+2-9-50+2-11-63	● 5 1000 225 040	87,50	-	-	-	-	-	-
225	1,6	32	0	2-8-45+2-9-50+2-11-63	● 5 1000 225 050	64,65	-	-	-	-	-	-
225	1,6	32	220 BW	2-8-45+2-9-50+2-11-63	● 5 1000 225 060	70,40	-	-	-	-	-	-
225	1,6	32	180 BW	2-8-45+2-9-50+2-11-63	● 5 1000 225 070	70,40	-	-	-	-	-	-
225	1,6	32	160 BW	2-8-45+2-9-50+2-11-63	● 5 1000 225 080	70,40	-	-	-	-	-	-
225	1,6	32	120 HZ	2-8-45+2-9-50+2-11-63	● 5 1000 225 090	70,40	-	-	-	-	-	-
225	1,6	40	0	2-8-55 + 4-11-63	⊗ 5 1000 225 100	32,85	-	-	⊗ 5 1300 225 100	33,80	-	-
225	1,6	40	180 BW	2-8-55 + 4-11-63	⊗ 5 1000 225 110	35,70	-	-	-	-	-	-
225	1,6	40	120 HZ	2-8-55 + 4-11-63	⊗ 5 1000 225 120	35,70	-	-	-	-	-	-
225	2,0	32	0	2 NL REMS/Roller	⊗ 5 1000 225 130	33,35	-	-	-	-	-	-
225	2,0	32	220 BW	2 NL REMS/Roller	⊗ 5 1000 225 140	35,90	⊗ 5 1040 225 140	47,55	⊗ 5 1300 225 140	44,60	-	-
225	2,0	32	180 BW	2 NL REMS/Roller	⊗ 5 1000 225 150	35,90	⊗ 5 1040 225 150	48,30	⊗ 5 1300 225 150	44,60	-	-
225	2,0	32	120 HZ	2 NL REMS/Roller	⊗ 5 1000 225 160	51,20	⊗ 5 1040 225 160	45,55	-	-	-	-
225	2,0	32	0	2-8-45+2-9-50+2-11-63	● 5 1000 225 170	56,50	-	-	● 5 1300 225 170	73,90	-	-
225	2,0	32	220 BW	2-8-45+2-9-50+2-11-63	● 5 1000 225 180	61,45	● 5 1040 225 180	88,90	● 5 1300 225 180	80,35	-	-
225	2,0	32	180 BW	2-8-45+2-9-50+2-11-63	● 5 1000 225 190	61,45	● 5 1040 225 190	88,90	● 5 1300 225 190	80,35	-	-
225	2,0	32	160 HZ	2-8-45+2-9-50+2-11-63	● 5 1000 225 200	61,45	● 5 1040 225 200	88,90	● 5 1300 225 200	80,35	-	-
225	2,0	32	120 HZ	2-8-45+2-9-50+2-11-63	● 5 1000 225 210	61,45	● 5 1040 225 210	88,90	● 5 1300 225 210	80,35	-	-
225	2,0	32	90 BW	2-8-45+2-9-50+2-11-63	⊗ 5 1000 225 220	31,00	-	-	-	-	-	-
225	2,0	32	0	4-9-50 + 4-11-63	⊗ 5 1000 225 230	28,50	-	-	-	-	-	-
225	2,0	32	220 BW	4-9-50 + 4-11-63	-	-	-	-	-	-	-	-
225	2,0	32	160 BW	4-9-50 + 4-11-63	⊗ 5 1000 225 250	31,00	-	-	-	-	-	-
225	2,0	32	120 BW	4-9-50 + 4-11-63	⊗ 5 1000 225 260	31,00	-	-	-	-	-	-
225	2,0	32	90 HZ	4-9-50 + 4-11-63	⊗ 5 1000 225 270	31,00	-	-	-	-	-	-
225	2,0	40	0	2-8-55 + 4-11-63	⊗ 5 1000 225 280	28,50	-	-	⊗ 5 1300 225 280	37,65	-	-
225	2,0	40	220 BW	2-8-55 + 4-11-63	⊗ 5 1000 225 290	31,00	⊗ 5 1040 225 290	45,55	-	-	-	-

⊗ Sonderpreis / Sale Artikel. Lieferbar solange Vorrat. Special price / sale article. While stocks last.

Weitere Abmessungen auf Anfrage / Other dimensions are available on request



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					Art.	€	Art.	€	Art.	€	Art.	€	
													
250	2,5	40	BW	HZ	2-8-55 + 4-12-64	% 5 1000 250 490	43,30	% 5 1040 250 490	61,75	% 5 1300 250 490	56,80	-	
275	1,6	32	0		2-8-45+2-9-50+2-11-63	• 5 1000 275 010	70,75	-	-	• 5 1300 275 010	93,55	-	
275	1,6	32	280 BW		2-8-45+2-9-50+2-11-63	% 5 1000 275 020	41,30	-	-	-	-	-	
275	1,6	32	220 BW		2-8-45+2-9-50+2-11-63	• 5 1000 275 030	76,90	-	-	-	-	-	
275	1,6	32	180 BW		2-8-45+2-9-50+2-11-63	• 5 1000 275 040	76,90	-	-	-	-	-	
275	2,0	32	0		2-8-45+2-9-50+2-11-63	• 5 1000 275 050	73,25	-	-	• 5 1300 275 050	98,20	-	
275	2,0	32	280 BW		2-8-45+2-9-50+2-11-63	• 5 1000 275 060	79,60	• 5 1040 275 060	117,35	• 5 1300 275 060	106,80	• 5 1340 275 060	141,50
275	2,0	32	220 BW		2-8-45+2-9-50+2-11-63	• 5 1000 275 070	79,60	• 5 1040 275 070	117,35	• 5 1300 275 070	106,80	• 5 1340 275 070	141,50
275	2,0	32	200 BW		2-8-45+2-9-50+2-11-63	• 5 1000 275 080	79,60	• 5 1040 275 080	117,35	• 5 1300 275 080	106,80	• 5 1340 275 080	141,50
275	2,0	32	180 BW		2-8-45+2-9-50+2-11-63	• 5 1000 275 090	79,60	• 5 1040 275 090	117,35	% 5 1300 275 090	57,40	-	
275	2,0	32	160 BW		2-8-45+2-9-50+2-11-63	• 5 1000 275 100	79,60	% 5 1040 275 100	65,15	% 5 1300 275 100	57,40	-	
275	2,0	32	140 HZ		2-8-45+2-9-50+2-11-63	• 5 1000 275 110	79,60	% 5 1040 275 110	65,15	• 5 1300 275 110	106,80	-	
275	2,0	32	110 HZ		2-8-45+2-9-50+2-11-63	• 5 1000 275 120	79,60	% 5 1040 275 120	65,15	• 5 1300 275 120	106,80	-	
275	2,0	32	0		4-9-50 + 4-11-63	% 5 1000 275 130	36,95	-	-	-	-	-	
275	2,0	32	220 BW		4-9-50 + 4-11-63	% 5 1000 275 140	40,15	-	-	-	-	-	
275	2,0	32	160 BW		4-9-50 + 4-11-63	• 5 1000 275 160	79,60	-	-	-	-	-	
275	2,0	32	140 HZ		4-9-50 + 4-11-63	-	-	-	-	-	-	-	
275	2,0	32	110 HZ		4-9-50 + 4-11-63	-	-	-	-	-	-	-	
275	1,6	40	0		2-8-55 + 4-12-64	• 5 1000 275 190	70,75	-	-	• 5 1300 275 190	93,55	-	
275	1,6	40	280 BW		2-8-55 + 4-12-64	• 5 1000 275 200	76,90	-	-	-	-	-	
275	1,6	40	220 BW		2-8-55 + 4-12-64	% 5 1000 275 210	41,30	-	-	-	-	-	
275	1,6	40	180 BW		2-8-55 + 4-12-64	• 5 1000 275 220	76,90	-	-	-	-	-	
275	2,0	40	0		2-8-55 + 4-12-64	• 5 1000 275 230	73,25	-	-	• 5 1300 275 230	98,20	-	
275	2,0	40	280 BW		2-8-55 + 4-12-64	• 5 1000 275 240	79,60	% 5 1040 275 240	65,15	• 5 1300 275 240	106,80	• 5 1340 275 240	141,50
275	2,0	40	220 BW		2-8-55 + 4-12-64	• 5 1000 275 250	79,60	• 5 1040 275 250	117,35	• 5 1300 275 250	106,80	% 5 1340 275 250	75,65
275	2,0	40	200 BW		2-8-55 + 4-12-64	% 5 1000 275 260	42,70	% 5 1040 275 260	65,15	• 5 1300 275 260	106,80	% 5 1340 275 260	75,65
275	2,0	40	180 BW		2-8-55 + 4-12-64	% 5 1000 275 270	42,70	% 5 1040 275 270	65,15	% 5 1300 275 270	57,40	-	
275	2,0	40	160 BW		2-8-55 + 4-12-64	• 5 1000 275 280	79,60	% 5 1040 275 280	65,15	% 5 1300 275 280	57,40	-	
275	2,0	40	140 HZ		2-8-55 + 4-12-64	• 5 1000 275 290	79,60	• 5 1040 275 290	117,35	% 5 1300 275 290	57,40	-	
275	2,5	32	0		2-8-45+2-9-50+2-11-63	• 5 1000 275 300	78,80	-	-	• 5 1300 275 300	99,80	-	
275	2,5	32	280 BW		2-8-45+2-9-50+2-11-63	• 5 1000 275 310	85,65	% 5 1040 275 310	66,40	• 5 1300 275 310	108,50	• 5 1340 275 310	147,75
275	2,5	32	220 BW		2-8-45+2-9-50+2-11-63	• 5 1000 275 320	85,65	• 5 1040 275 320	119,45	• 5 1300 275 320	108,50	• 5 1340 275 320	147,75
275	2,5	32	180 BW		2-8-45+2-9-50+2-11-63	• 5 1000 275 330	85,65	% 5 1040 275 330	119,45	• 5 1300 275 330	108,50	• 5 1340 275 330	147,75
275	2,5	32	160 BW		2-8-45+2-9-50+2-11-63	• 5 1000 275 340	85,65	% 5 1040 275 340	66,40	• 5 1300 275 340	108,50	-	
275	2,5	32	140 HZ		2-8-45+2-9-50+2-11-63	• 5 1000 275 350	85,65	• 5 1040 275 350	119,45	• 5 1300 275 350	108,50	-	
275	2,5	32	120 HZ		2-8-45+2-9-50+2-11-63	-	-	-	-	-	-	-	
275	2,5	32	110 HZ		2-8-45+2-9-50+2-11-63	-	-	-	-	-	-	-	
275	2,5	32	90 HZ		2-8-45+2-9-50+2-11-63	-	-	-	-	-	-	-	
275	2,5	32	0		4-9-50 + 4-11-63	% 5 1000 275 380	39,75	-	-	-	-	-	
275	2,5	32	280 BW		4-9-50 + 4-11-63	-	-	-	-	-	-	-	
275	2,5	32	220 BW		4-9-50 + 4-11-63	-	-	-	-	-	-	-	
275	2,5	32	160 BW		4-9-50 + 4-11-63	% 5 1000 275 420	43,20	-	-	-	-	-	
275	2,5	32	140 HZ		4-9-50 + 4-11-63	% 5 1000 275 430	43,20	-	-	-	-	-	
275	2,5	32	120 HZ		4-9-50 + 4-11-63	% 5 1000 275 440	43,20	-	-	-	-	-	
275	2,5	32	110 HZ		4-9-50 + 4-11-63	% 5 1000 275 450	43,20	-	-	-	-	-	
275	2,5	32	90 HZ		4-9-50 + 4-11-63	% 5 1000 275 460	43,20	-	-	-	-	-	
275	2,5	40	0		2-8-55 + 4-12-64	• 5 1000 275 470	78,80	-	-	• 5 1300 275 470	99,80	-	
275	2,5	40	280 BW		2-8-55 + 4-12-64	• 5 1000 275 480	85,65	• 5 1040 275 480	119,45	• 5 1300 275 480	108,50	• 5 1340 275 480	147,75
275	2,5	40	220 BW		2-8-55 + 4-12-64	• 5 1000 275 490	85,65	• 5 1040 275 490	119,45	• 5 1300 275 490	108,50	• 5 1340 275 490	147,75
275	2,5	40	180 BW		2-8-55 + 4-12-64	• 5 1000 275 500	85,65	• 5 1040 275 500	119,45	• 5 1300 275 500	108,50	• 5 1340 275 500	147,75
275	2,5	40	160 BW		2-8-55 + 4-12-64	• 5 1000 275 510	85,65	• 5 1040 275 510	119,45	• 5 1300 275 510	108,50	-	
275	2,5	40	140 HZ		2-8-55 + 4-12-64	• 5 1000 275 520	85,65	• 5 1040 275 520	119,45	• 5 1300 275 520	108,50	-	
275	2,5	40	120 HZ		2-8-55 + 4-12-64	• 5 1000 275 530	85,65	-	-	% 5 1300 275 530	55,25	-	
275	2,5	40	110 HZ		2-8-55 + 4-12-64	• 5 1000 275 540	85,65	-	-	% 5 1300 275 540	55,25	-	
275	2,5	40	90 HZ		2-8-55 + 4-12-64	• 5 1000 275 550	85,65	-	-	-	-	-	
275	3,0	32	0		2-8-45+2-9-50+2-11-63	% 5 1000 275 560	52,20	-	-	-	-	-	






% Sonderpreis / Sale Artikel. Lieferbar solange Vorrat. Special price / sale article. While stocks last.

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					Art.	€	Art.	€	Art.	€	Art.	€
												
			BW	HZ								
315	2,0	40	300 BW	2-8-55 + 4-12-64	% 5 1000 315 180	59,75	-	-	-	-	-	-
315	2,0	40	240 BW	2-8-55 + 4-12-64	% 5 1000 315 190	59,75	-	-	-	-	-	-
315	2,0	40	220 BW	2-8-55 + 4-12-64	% 5 1000 315 200	59,75	-	-	-	-	-	-
315	2,0	40	200 BW	2-8-55 + 4-12-64	• 5 1000 315 210	111,45	-	-	-	-	-	-
315	2,0	40	180 BW	2-8-55 + 4-12-64	• 5 1000 315 220	111,45	-	-	-	-	-	-
315	2,5	32	0	2-8-45+2-9-50+2-11-63	• 5 1000 315 230	104,10	-	-	• 5 1300 315 230	139,10	-	-
315	2,5	32	240 BW	2-8-45+2-9-50+2-11-63	• 5 1000 315 240	112,80	• 5 1040 315 240	160,30	• 5 1300 315 240	151,20	• 5 1340 315 240	194,90
315	2,5	32	220 BW	2-8-45+2-9-50+2-11-63	• 5 1000 315 250	112,80	• 5 1040 315 250	160,30	• 5 1300 315 250	151,20	• 5 1340 315 250	194,90
315	2,5	32	200 BW	2-8-45+2-9-50+2-11-63	• 5 1000 315 260	112,80	• 5 1040 315 260	160,30	• 5 1300 315 260	151,20	• 5 1340 315 260	194,90
315	2,5	32	180 BW	2-8-45+2-9-50+2-11-63	• 5 1000 315 270	112,80	% 5 1040 315 270	89,75	• 5 1300 315 270	151,20	• 5 1340 315 270	194,90
315	2,5	32	160 HZ	2-8-45+2-9-50+2-11-63	• 5 1000 315 280	112,80	• 5 1040 315 280	160,30	• 5 1300 315 280	151,20	• 5 1340 315 280	194,90
315	2,5	32	120 HZ	2-8-45+2-9-50+2-11-63	• 5 1000 315 290	112,80	• 5 1040 315 290	160,30	• 5 1300 315 290	151,20	• 5 1340 315 290	194,90
315	2,5	32	100 HZ	2-8-45+2-9-50+2-11-63	-	-	-	-	-	-	-	-
315	2,5	40	0	2-8-55 + 4-12-64	• 5 1000 315 300	104,10	-	-	• 5 1300 315 300	139,10	-	-
315	2,5	40	240 BW	2-8-55 + 4-12-64	• 5 1000 315 310	112,80	• 5 1040 315 310	160,30	• 5 1300 315 310	151,20	• 5 1340 315 310	194,90
315	2,5	40	220 BW	2-8-55 + 4-12-64	• 5 1000 315 320	112,80	• 5 1040 315 320	160,30	• 5 1300 315 320	151,20	• 5 1340 315 320	194,90
315	2,5	40	200 BW	2-8-55 + 4-12-64	• 5 1000 315 330	112,80	• 5 1040 315 330	160,30	• 5 1300 315 330	151,20	• 5 1340 315 330	194,90
315	2,5	40	180 BW	2-8-55 + 4-12-64	• 5 1000 315 340	112,80	• 5 1040 315 340	160,30	• 5 1300 315 340	151,20	• 5 1340 315 340	194,90
315	2,5	40	160 HZ	2-8-55 + 4-12-64	• 5 1000 315 350	112,80	% 5 1040 315 350	89,75	• 5 1300 315 350	151,20	• 5 1340 315 350	194,90
315	2,5	40	120 HZ	2-8-55 + 4-12-64	• 5 1000 315 360	112,80	% 5 1040 315 360	89,75	• 5 1300 315 360	151,20	-	-
315	2,5	40	100 HZ	2-8-55 + 4-12-64	-	-	-	-	-	-	-	-
315	2,5	50	0	4-15-80 + 4-14-85	% 5 1000 315 380	50,50	-	-	-	-	-	-
315	2,5	50	240 BW	4-15-80 + 4-14-85	% 5 1000 315 390	54,90	-	-	-	-	-	-
315	2,5	50	160 HZ	4-15-80 + 4-14-85	% 5 1000 315 400	54,90	-	-	-	-	-	-
315	2,5	50	120 HZ	4-15-80 + 4-14-85	-	-	-	-	-	-	-	-
315	3,0	32	0	2-8-45+2-9-50+2-11-63	• 5 1000 315 420	129,40	-	-	• 5 1300 315 420	163,35	-	-
315	3,0	32	240 BW	2-8-45+2-9-50+2-11-63	• 5 1000 315 430	133,35	• 5 1040 315 430	176,10	% 5 1300 315 430	94,70	-	-
315	3,0	32	200 BW	2-8-45+2-9-50+2-11-63	• 5 1000 315 440	140,40	• 5 1040 315 440	176,10	• 5 1300 315 440	177,15	-	-
315	3,0	32	160 HZ	2-8-45+2-9-50+2-11-63	• 5 1000 315 450	140,40	• 5 1040 315 450	176,10	• 5 1300 315 450	177,15	-	-
315	3,0	32	120 HZ	2-8-45+2-9-50+2-11-63	-	-	-	-	% 5 1300 315 455	86,30	-	-
315	3,0	32	100 HZ	2-8-45+2-9-50+2-11-63	-	-	% 5 1040 315 457	91,45	% 5 1300 315 457	86,30	-	-
315	3,0	40	0	2-8-55 + 4-12-64	• 5 1000 315 460	129,40	-	-	• 5 1300 315 460	155,95	-	-
315	3,0	40	240 BW	2-8-55 + 4-12-64	• 5 1000 315 470	140,40	% 5 1040 315 470	96,90	% 5 1300 315 470	94,70	-	-
315	3,0	40	200 BW	2-8-55 + 4-12-64	• 5 1000 315 480	140,40	% 5 1040 315 480	96,90	• 5 1300 315 480	169,50	-	-
315	3,0	40	160 HZ	2-8-55 + 4-12-64	• 5 1000 315 490	140,40	• 5 1040 315 490	176,10	• 5 1300 315 490	169,50	-	-
315	3,0	40	120 HZ	2-8-55 + 4-12-64	-	-	-	-	% 5 1300 315 500	86,30	-	-
315	3,0	40	100 HZ	2-8-55 + 4-12-64	-	-	% 5 1040 315 510	91,45	% 5 1300 315 510	86,30	-	-
315	3,0	50	0	4-15-80 + 4-14-85	% 5 1000 315 520	62,90	-	-	-	-	-	-
315	3,0	50	160 HZ	4-15-80 + 4-14-85	% 5 1000 315 530	68,40	-	-	-	-	-	-
315	3,0	50	120 HZ	4-15-80 + 4-14-85	% 5 1000 315 540	68,40	-	-	-	-	-	-
325	2,5	40	0	2-8-55 + 4-12-64	• 5 1000 325 010	130,05	-	-	• 5 1300 325 010	146,15	-	-
325	2,5	40	160 HZ	2-8-55 + 4-12-64	• 5 1000 325 020	140,85	-	-	• 5 1300 325 020	158,60	-	-
325	3,0	40	0	2-9-55 + 4-12-64	-	-	-	-	% 5 1300 325 030	86,85	-	-
325	3,0	40	160 HZ	2-9-55 + 4-12-64	-	-	-	-	-	-	-	-
350	2,0	32	0	2-8-45+2-9-50+2-11-63	• 5 1000 350 010	130,60	-	-	• 5 1300 350 010	167,75	-	-
350	2,0	32	350 BW	2-8-45+2-9-50+2-11-63	• 5 1000 350 020	139,60	• 5 1040 350 020	182,20	% 5 1300 350 020	95,55	• 5 1340 350 020	213,20
350	2,0	32	280 BW	2-8-45+2-9-50+2-11-63	• 5 1000 350 030	139,60	• 5 1040 350 030	182,20	• 5 1300 350 030	178,70	• 5 1340 350 030	213,20
350	2,0	32	240 BW	2-8-45+2-9-50+2-11-63	• 5 1000 350 040	139,60	• 5 1040 350 040	174,05	% 5 1300 350 040	95,55	• 5 1340 350 040	213,20
350	2,0	32	220 BW	2-8-45+2-9-50+2-11-63	• 5 1000 350 050	139,60	• 5 1040 350 050	174,05	• 5 1300 350 050	178,70	• 5 1340 350 050	213,20
350	2,5	32	0	2-8-45+2-9-50+2-11-63	• 5 1000 350 060	132,65	-	-	• 5 1300 350 060	171,95	-	-
350	2,5	32	350 BW	2-8-45+2-9-50+2-11-63	• 5 1000 350 070	141,65	• 5 1040 350 070	185,85	• 5 1300 350 070	186,95	• 5 1340 350 070	232,20
350	2,5	32	280 BW	2-8-45+2-9-50+2-11-63	• 5 1000 350 080	141,65	• 5 1040 350 080	185,85	• 5 1300 350 080	186,95	• 5 1340 350 080	232,20
350	2,5	32	240 BW	2-8-45+2-9-50+2-11-63	• 5 1000 350 090	141,65	• 5 1040 350 090	185,85	• 5 1300 350 090	186,95	• 5 1340 350 090	232,20
350	2,5	32	220 BW	2-8-45+2-9-50+2-11-63	• 5 1000 350 100	141,65	% 5 1040 350 100	106,50	• 5 1300 350 100	186,95	• 5 1340 350 100	232,20
350	2,5	32	180 HZ	2-8-45+2-9-50+2-11-63	• 5 1000 350 110	141,65	• 5 1040 350 110	185,85	• 5 1300 350 110	186,95	• 5 1340 350 110	232,20
350	2,5	32	160 HZ	2-8-45+2-9-50+2-11-63	• 5 1000 350 120	141,65	• 5 1040 350 120	185,85	• 5 1300 350 120	186,95	• 5 1340 350 120	232,20

% Sonderpreis / Sale Artikel. Lieferbar solange Vorrat. Special price / sale article. While stocks last.

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1	2	3	4	5	6	7	8	9	5 1000		5 1040		5 1300		5 1340	
									HSS-DMo5 Dampfbehandelt Steam treated		HSS-DMo5 Kx-Beschichtet Kx-coated		HSS-Co5 Dampfbehandelt Steam treated		HSS-Co5 Kx-Beschichtet Kx-coated	
			BW	HZ					Art.	€	Art.	€	Art.	€	Art.	€
			140 HZ	2-8-45+2-9-50+2-11-63					● 5 1000 350 130	141,65	-	-	-	-	-	-
			120 HZ	2-8-45+2-9-50+2-11-63					● 5 1000 350 140	141,65	-	-	-	-	-	-
			0	2-8-55+4-12-64					● 5 1000 350 150	132,65	-	-	● 5 1300 350 150	171,95	-	-
			350 BW	2-8-55+4-12-64					⚡ 5 1000 350 160	78,40	⚡ 5 1040 350 160	106,50	● 5 1300 350 160	186,95	● 5 1340 350 160	232,20
			280 BW	2-8-55+4-12-64					● 5 1000 350 170	141,65	⚡ 5 1040 350 170	106,50	● 5 1300 350 170	186,95	● 5 1340 350 170	232,20
			240 BW	2-8-55+4-12-64					● 5 1000 350 180	141,65	● 5 1040 350 180	185,85	● 5 1300 350 180	186,95	● 5 1340 350 180	232,20
			220 BW	2-8-55+4-12-64					● 5 1000 350 190	141,65	● 5 1040 350 190	185,85	● 5 1300 350 190	186,95	● 5 1340 350 190	232,20
			180 HZ	2-8-55+4-12-64					● 5 1000 350 200	141,65	● 5 1040 350 200	185,85	● 5 1300 350 200	186,95	⚡ 5 1340 350 200	124,10
			160 HZ	2-8-55+4-12-64					● 5 1000 350 205	141,65	● 5 1040 350 205	185,85	● 5 1300 350 205	186,95	● 5 1340 350 205	232,20
			120 HZ	2-8-55 + 4-12-64					-	-	-	-	-	-	-	-
			0	4-15-80 + 4-14-85					⚡ 5 1000 350 210	63,05	-	-	-	-	-	-
			220 BW	4-15-80 + 4-14-85					⚡ 5 1000 350 220	68,55	-	-	-	-	-	-
			160 HZ	4-15-80 + 4-14-85					-	-	-	-	-	-	-	-
			120 HZ	4-15-80 + 4-14-85					⚡ 5 1000 350 240	68,55	-	-	-	-	-	-
			100 HZ	4-15-80 + 4-14-85					⚡ 5 1000 350 250	68,55	-	-	-	-	-	-
			0	2-8-45+2-9-50+2-11-63					● 5 1000 350 260	148,25	-	-	● 5 1300 350 260	187,10	-	-
			280 BW	2-8-45+2-9-50+2-11-63					● 5 1000 350 270	161,20	⚡ 5 1040 350 270	113,95	● 5 1300 350 270	203,40	● 5 1340 350 270	263,45
			240 BW	2-8-45+2-9-50+2-11-63					⚡ 5 1000 350 280	86,45	⚡ 5 1040 350 280	113,95	⚡ 5 1300 350 280	113,25	⚡ 5 1340 350 280	140,85
			220 BW	2-8-45+2-9-50+2-11-63					● 5 1000 350 290	161,20	● 5 1040 350 290	205,90	● 5 1300 350 290	203,40	● 5 1340 350 290	263,45
			200 BW	2-8-45+2-9-50+2-11-63					● 5 1000 350 300	161,20	⚡ 5 1040 350 300	113,95	● 5 1300 350 300	203,40	⚡ 5 1340 350 300	140,85
			180 HZ	2-8-45+2-9-50+2-11-63					● 5 1000 350 310	161,20	● 5 1040 350 310	205,90	● 5 1300 350 310	203,40	● 5 1340 350 310	263,45
			160 HZ	2-8-45+2-9-50+2-11-63					● 5 1000 350 320	161,20	⚡ 5 1040 350 320	113,95	● 5 1300 350 320	203,40	⚡ 5 1340 350 320	140,85
			140 HZ	2-8-45+2-9-50+2-11-63					● 5 1000 350 330	161,20	● 5 1040 350 330	205,90	⚡ 5 1300 350 330	113,25	-	-
			120 HZ	2-8-45+2-9-50+2-11-63					● 5 1000 350 340	161,20	⚡ 5 1040 350 340	113,95	⚡ 5 1300 350 340	113,25	-	-
			0	2-8-55+4-12-64					● 5 1000 350 350	148,25	-	-	● 5 1300 350 350	187,10	-	-
			280 BW	2-8-55+4-12-64					● 5 1000 350 360	161,20	● 5 1040 350 360	205,90	● 5 1300 350 360	203,40	● 5 1340 350 360	263,45
			240 BW	2-8-55+4-12-64					⚡ 5 1000 350 370	86,45	⚡ 5 1040 350 370	113,95	⚡ 5 1300 350 370	113,25	● 5 1340 350 370	263,45
			220 BW	2-8-55+4-12-64					● 5 1000 350 380	161,20	⚡ 5 1040 350 380	113,95	● 5 1300 350 380	203,40	● 5 1340 350 380	263,45
			200 BW	2-8-55+4-12-64					● 5 1000 350 390	161,20	⚡ 5 1040 350 390	113,95	● 5 1300 350 390	203,40	● 5 1340 350 390	263,45
			180 HZ	2-8-55+4-12-64					● 5 1000 350 400	161,20	● 5 1040 350 400	205,90	● 5 1300 350 400	203,40	● 5 1340 350 400	263,45
			160 HZ	2-8-55+4-12-64					● 5 1000 350 410	161,20	⚡ 5 1040 350 410	113,95	● 5 1300 350 410	203,40	● 5 1340 350 410	263,45
			140 HZ	2-8-55+4-12-64					● 5 1000 350 420	161,20	● 5 1040 350 420	205,90	● 5 1300 350 420	203,40	● 5 1340 350 420	263,45
			120 HZ	2-8-55+4-12-64					● 5 1000 350 430	161,20	⚡ 5 1040 350 430	113,95	● 5 1300 350 430	203,40	-	-
			110 HZ	2-8-55+4-12-64					● 5 1000 350 440	161,20	● 5 1040 350 440	205,90	⚡ 5 1300 350 440	113,25	-	-
			90 HZ	2-8-55+4-12-64					● 5 1000 350 450	161,20	● 5 1040 350 450	205,90	● 5 1300 350 450	203,40	-	-
			0	4-15-80 + 4-14-85					● 5 1000 350 460	148,25	-	-	● 5 1300 350 460	187,10	-	-
			220 BW	4-15-80 + 4-14-85					● 5 1000 350 470	161,20	⚡ 5 1040 350 470	107,50	● 5 1300 350 470	191,85	-	-
			180 HZ	4-15-80 + 4-14-85					⚡ 5 1000 350 480	86,45	-	-	⚡ 5 1300 350 480	113,25	-	-
			160 HZ	4-15-80 + 4-14-85					● 5 1000 350 490	161,20	⚡ 5 1040 350 490	107,50	● 5 1300 350 490	191,85	-	-
			140 HZ	4-15-80 + 4-14-85					● 5 1000 350 500	161,20	-	-	⚡ 5 1300 350 500	113,25	-	-
			120 HZ	4-15-80 + 4-14-85					● 5 1000 350 510	161,20	⚡ 5 1040 350 510	107,50	● 5 1300 350 510	191,85	-	-
			100 HZ	4-15-80 + 4-14-85					⚡ 5 1000 350 520	81,30	⚡ 5 1040 350 520	107,50	-	-	-	-
			0	4-15-80 + 4-14-85					⚡ 5 1000 360 010	82,05	-	-	-	-	-	-
			120 HZ	4-15-80 + 4-14-85					-	-	-	-	-	-	-	-
			0	2-8-45+2-9-50+2-11-63					● 5 1000 370 010	175,20	-	-	● 5 1300 370 010	227,30	-	-
			220 BW	2-8-45+2-9-50+2-11-63					● 5 1000 370 020	188,55	-	-	-	-	-	-
			160 HZ	2-8-45+2-9-50+2-11-63					● 5 1000 370 030	188,55	-	-	-	-	-	-
			120 HZ	2-8-45+2-9-50+2-11-63					● 5 1000 370 040	188,55	-	-	-	-	-	-
			0	2-8-55+4-12-64					● 5 1000 370 050	175,85	-	-	● 5 1300 370 050	227,30	-	-
			220 BW	2-8-55+4-12-64					● 5 1000 370 060	188,55	-	-	-	-	-	-
			160 HZ	2-8-55+4-12-64					● 5 1000 370 070	188,55	-	-	-	-	-	-
			120 HZ	2-8-55+4-12-64					⚡ 5 1000 370 080	104,30	-	-	-	-	-	-
			0	4-15-80 + 4-14-85					● 5 1000 370 090	175,85	-	-	● 5 1300 370 090	227,30	-	-
			220 BW	4-15-80 + 4-14-85					● 5 1000 370 100	188,55	-	-	-	-	-	-
			160 HZ	4-15-80 + 4-14-85					⚡ 5 1000 370 110	104,30	-	-	-	-	-	-
			120 HZ	4-15-80 + 4-14-85					⚡ 5 1000 370 120	104,30	-	-	-	-	-	-

⚡ Sonderpreis / Sale Artikel. Lieferbar solange Vorrat. Special price / sale article. While stocks last.

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					1048	1049	1050	1051				
			BW  HZ 		5 1000 HSS-DMo5 Dampfbehandelt Steam treated		5 1040 HSS-DMo5 Kx-Beschichtet Kx-coated		5 1300 HSS-Co5 Dampfbehandelt Steam treated		5 1340 HSS-Co5 Kx-Beschichtet Kx-coated	
					Art.	€	Art.	€	Art.	€	Art.	€
370	3,0	40	0	2-8-55+4-12-64	● 5 1000 370 130	182,00	-	-	● 5 1300 370 130	244,45	-	-
370	3,0	40	220 BW	2-8-55+4-12-64	● 5 1000 370 140	195,65	-	-	-	-	-	-
370	3,0	40	160 HZ	2-8-55+4-12-64	● 5 1000 370 150	195,65	-	-	-	-	-	-
370	3,0	40	120 HZ	2-8-55+4-12-64	● 5 1000 370 160	195,65	-	-	-	-	-	-
370	3,0	50	0	4-15-80 + 4-14-85	● 5 1000 370 170	182,00	-	-	● 5 1300 370 170	244,45	-	-
370	3,0	50	220 BW	4-15-80 + 4-14-85	● 5 1000 370 180	195,65	🔥 5 1040 370 180	138,70	● 5 1300 370 180	258,90	-	-
370	3,0	50	160 HZ	4-15-80 + 4-14-85	● 5 1000 370 190	195,65	🔥 5 1040 370 190	246,15	● 5 1300 370 190	258,90	-	-
370	3,0	50	120 HZ	4-15-80 + 4-14-85	● 5 1000 370 200	195,65	🔥 5 1040 370 200	138,70	● 5 1300 370 200	258,90	-	-
370	3,0	50	100 HZ	4-15-80 + 4-14-85	● 5 1000 370 210	195,65	🔥 5 1040 370 210	246,15	● 5 1300 370 210	258,90	-	-
400	2,5	32	0	2-8-45+2-9-50+2-11-63	● 5 1000 400 010	210,65	-	-	● 5 1300 400 010	290,00	-	-
400	2,5	32	240 BW	2-8-45+2-9-50+2-11-63	🔥 5 1000 400 020	123,85	-	-	-	-	-	-
400	2,5	32	200 HZ	2-8-45+2-9-50+2-11-63	🔥 5 1000 400 030	123,85	-	-	-	-	-	-
400	2,5	32	160 HZ	2-8-45+2-9-50+2-11-63	🔥 5 1000 400 040	123,85	-	-	-	-	-	-
400	2,5	50	0	4-15-80+4-14-85	● 5 1000 400 050	213,10	-	-	● 5 1300 400 050	279,90	-	-
400	2,5	50	240 BW	4-15-80+4-14-85	● 5 1000 400 060	228,65	-	-	-	-	-	-
400	2,5	50	200 HZ	4-15-80+4-14-85	🔥 5 1000 400 070	123,85	-	-	-	-	-	-
400	2,5	50	160 HZ	4-15-80+4-14-85	● 5 1000 400 080	228,65	-	-	-	-	-	-
400	3,0	32	0	2-8-45+2-9-50+2-11-63	● 5 1000 400 090	204,75	-	-	● 5 1300 400 090	274,10	-	-
400	3,0	32	200 HZ	2-8-45+2-9-50+2-11-63	● 5 1000 400 100	222,30	-	-	-	-	-	-
400	3,0	32	160 HZ	2-8-45+2-9-50+2-11-63	🔥 5 1000 400 110	118,80	-	-	-	-	-	-
400	3,0	32	120 HZ	2-8-45+2-9-50+2-11-63	🔥 5 1000 400 120	118,80	-	-	-	-	-	-
400	3,0	32	100 HZ	2-8-45+2-9-50+2-11-63	🔥 5 1000 400 130	118,80	-	-	-	-	-	-
400	3,0	40	0	2-8-55+4-12-64	● 5 1000 400 140	204,75	-	-	● 5 1300 400 140	274,10	-	-
400	3,0	40	200 HZ	2-8-55+4-12-64	● 5 1000 400 150	222,30	-	-	🔥 5 1300 400 150	158,80	-	-
400	3,0	40	160 HZ	2-8-55+4-12-64	● 5 1000 400 160	222,30	-	-	● 5 1300 400 160	297,10	-	-
400	3,0	40	120 HZ	2-8-55+4-12-64	🔥 5 1000 400 170	120,25	-	-	🔥 5 1300 400 170	158,80	-	-
400	3,0	40	100 HZ	2-8-55+4-12-64	● 5 1000 400 180	222,30	-	-	🔥 5 1300 400 180	158,80	-	-
400	3,0	50	0	4-15-80+4-14-85	● 5 1000 400 190	204,75	-	-	🔥 5 1300 400 190	146,50	-	-
400	3,0	50	200 HZ	4-15-80+4-14-85	● 5 1000 400 200	222,30	-	-	● 5 1300 400 200	297,10	-	-
400	3,0	50	160 HZ	4-15-80+4-14-85	● 5 1000 400 210	222,30	-	-	🔥 5 1300 400 210	158,80	-	-
400	3,0	50	120 HZ	4-15-80+4-14-85	● 5 1000 400 220	222,30	-	-	● 5 1300 400 220	297,10	-	-
400	3,0	50	100 HZ	4-15-80+4-14-85	● 5 1000 400 230	222,30	-	-	● 5 1300 400 230	297,10	-	-
400	3,5	40	0	2-15-80 + 4-12-64	-	-	-	-	🔥 5 1300 400 240	154,00	-	-
400	3,5	40	160 HZ	2-15-80 + 4-12-64	-	-	-	-	-	-	-	-
400	3,5	40	120 HZ	2-15-80 + 4-12-64	🔥 5 1000 400 260	115,25	-	-	-	-	-	-
400	3,5	50	0	4-15-80+4-14-85	● 5 1000 400 270	228,55	-	-	● 5 1300 400 270	302,45	-	-
400	3,5	50	200 HZ	4-15-80+4-14-85	● 5 1000 400 280	248,45	-	-	● 5 1300 400 280	328,75	-	-
400	3,5	50	160 HZ	4-15-80+4-14-85	● 5 1000 400 290	248,45	-	-	● 5 1300 400 290	328,75	-	-
400	3,5	50	120 HZ	4-15-80+4-14-85	● 5 1000 400 300	248,45	-	-	🔥 5 1300 400 300	181,50	-	-
400	3,5	50	100 HZ	4-15-80+4-14-85	● 5 1000 400 310	248,45	-	-	🔥 5 1300 400 310	181,50	-	-
400	4,0	40	0	2-15-80 + 4-12-64	🔥 5 1000 400 320	125,80	-	-	🔥 5 1300 400 320	168,25	-	-
400	4,0	40	200 HZ	2-15-80 + 4-12-64	🔥 5 1000 400 330	136,75	-	-	-	-	-	-
400	4,0	40	120 HZ	2-15-80 + 4-12-64	🔥 5 1000 400 340	136,75	-	-	-	-	-	-
400	4,0	40	100 HZ	2-15-80 + 4-12-64	-	-	-	-	-	-	-	-
400	4,0	50	0	4-15-80+4-14-85	● 5 1000 400 360	259,45	-	-	● 5 1300 400 360	342,95	-	-
400	4,0	50	200 HZ	4-15-80+4-14-85	● 5 1000 400 370	282,00	-	-	🔥 5 1300 400 370	199,05	-	-
400	4,0	50	160 HZ	4-15-80+4-14-85	● 5 1000 400 380	282,00	-	-	● 5 1300 400 380	372,40	-	-
400	4,0	50	120 HZ	4-15-80+4-14-85	● 5 1000 400 390	282,00	-	-	● 5 1300 400 390	372,40	-	-
400	4,0	50	100 HZ	4-15-80+4-14-85	● 5 1000 400 400	282,00	-	-	● 5 1300 400 400	372,40	-	-
425	3,0	40	0	2-15-80 + 2-15-100 + 4-12-64	🔥 5 1000 425 010	118,35	-	-	-	-	-	-
425	3,0	40	160 HZ	2-15-80 + 2-15-100 + 4-12-64	🔥 5 1000 425 020	128,65	-	-	-	-	-	-
425	3,0	40	120 HZ	2-15-80 + 2-15-100 + 4-12-64	🔥 5 1000 425 030	128,65	-	-	-	-	-	-
425	3,0	50	0	4-15-80+4-14-85	● 5 1000 425 040	230,75	-	-	● 5 1300 425 040	329,90	-	-
425	3,0	50	220 HZ	4-15-80+4-14-85	● 5 1000 425 050	250,25	-	-	-	-	-	-
425	3,0	50	160 HZ	4-15-80+4-14-85	● 5 1000 425 060	250,25	-	-	-	-	-	-
425	3,0	50	120 HZ	4-15-80+4-14-85	🔥 5 1000 425 070	128,65	-	-	-	-	-	-

🔥 Sonderpreis / Sale Artikel. Lieferbar solange Vorrat. Special price / sale article. While stocks last.

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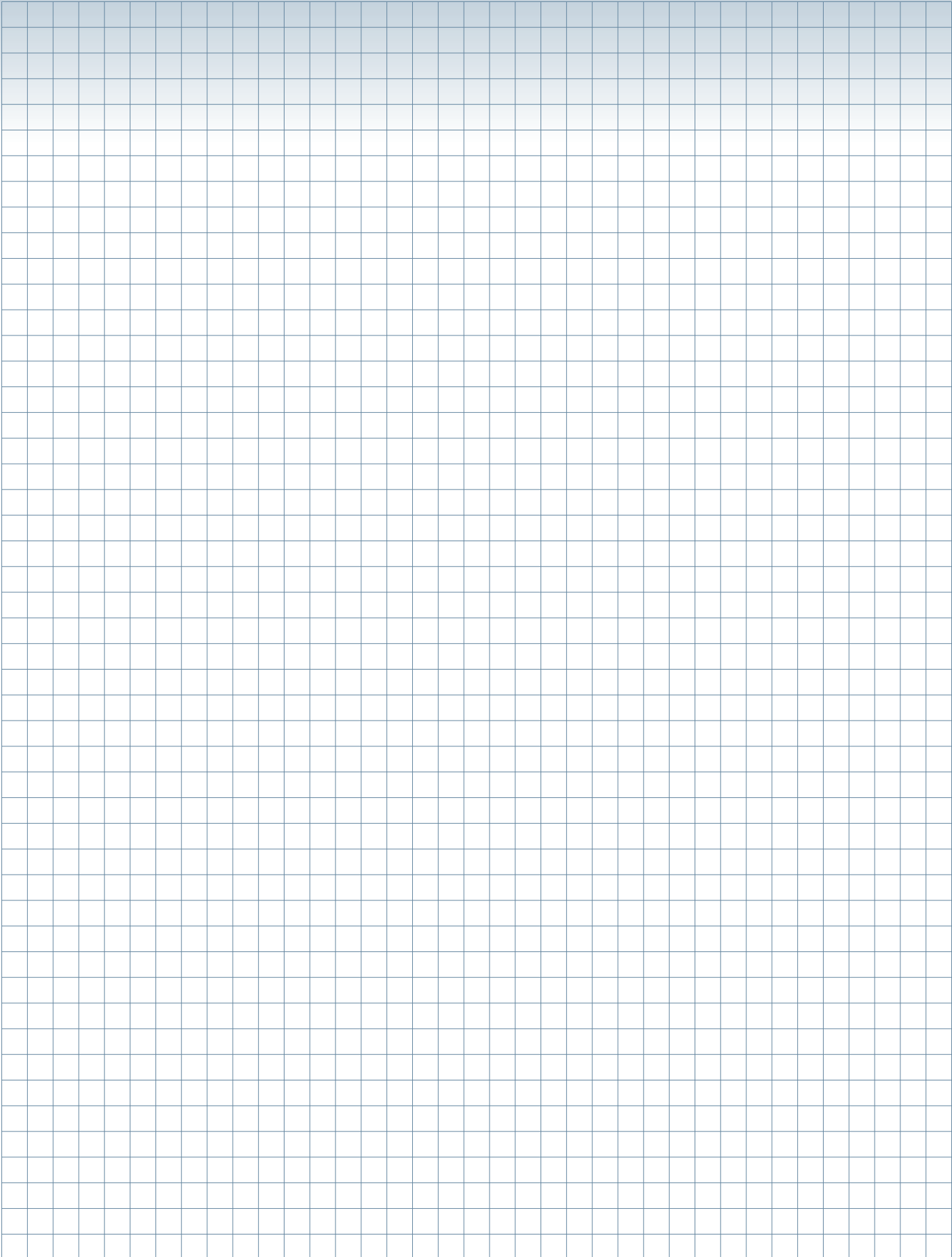
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1	2	3	4	5	6	7	8	9	5 1000		5 1040		5 1300		5 1340	
									HSS-DMo5 Dampfbehandelt Steam treated		HSS-DMo5 Kx-Beschichtet Kx-coated		HSS-Co5 Dampfbehandelt Steam treated		HSS-Co5 Kx-Beschichtet Kx-coated	
BW		HZ		Art.		€		Art.		€		Art.		€		
425	3,5	40	0	2-15-80 + 2-15-100 + 4-12-64	●	5 1000 425 080	265,00	-	-	●	5 1300 425 080	379,75	-	-		
425	3,5	40	220 HZ	2-15-80 + 2-15-100 + 4-12-64	%	5 1000 425 090	156,10	-	-	-	-	-	-	-		
425	3,5	40	160 HZ	2-15-80 + 2-15-100 + 4-12-64	●	5 1000 425 100	287,60	-	-	-	-	-	-	-		
425	3,5	50	0	4-15-80+4-14-85	●	5 1000 425 110	265,00	-	-	●	5 1300 425 110	379,75	-	-		
425	3,5	50	220 HZ	4-15-80+4-14-85	●	5 1000 425 120	287,60	-	-	-	-	-	-	-		
425	3,5	50	160 HZ	4-15-80+4-14-85	●	5 1000 425 130	287,60	-	-	-	-	-	-	-		
425	3,5	50	120 HZ	4-15-80+4-14-85	%	5 1000 425 140	147,30	-	-	-	-	-	-	-		
425	4,0	40	0	2-15-80 + 2-15-100 + 4-12-64	%	5 1000 425 150	140,75	-	-	%	5 1300 425 150	206,35	-	-		
425	4,0	40	220 HZ	2-15-80 + 2-15-100 + 4-12-64	%	5 1000 425 160	153,00	-	-	-	-	-	-	-		
425	4,0	40	160 HZ	2-15-80 + 2-15-100 + 4-12-64	%	5 1000 425 170	153,00	-	-	%	5 1300 425 170	224,30	-	-		
425	4,0	40	120 HZ	2-15-80 + 2-15-100 + 4-12-64	-	-	-	-	-	-	-	-	-	-		
425	4,0	50	0	4-15-80+4-14-85	●	5 1000 425 190	285,90	-	-	●	5 1300 425 190	418,90	-	-		
425	4,0	50	76 HZ	4-15-80+4-14-85	-	-	-	-	-	-	-	-	-	-		
450	3,0	40	0	2-15-80 + 2-15-100 + 4-12-64	●	5 1000 450 010	258,95	-	-	●	5 1300 450 010	369,95	-	-		
450	3,0	40	240 HZ	2-15-80 + 2-15-100 + 4-12-64	●	5 1000 450 020	283,40	-	-	-	-	-	-	-		
450	3,0	40	200 HZ	2-15-80 + 2-15-100 + 4-12-64	%	5 1000 450 030	152,55	-	-	-	-	-	-	-		
450	3,0	40	180 HZ	2-15-80 + 2-15-100 + 4-12-64	●	5 1000 450 040	283,40	-	-	-	-	-	-	-		
450	3,0	40	160 HZ	2-15-80 + 2-15-100 + 4-12-64	%	5 1000 450 050	152,55	-	-	-	-	-	-	-		
450	3,0	40	120 HZ	2-15-80 + 2-15-100 + 4-12-64	●	5 1000 450 060	283,40	-	-	-	-	-	-	-		
450	3,0	50	0	4-15-80+4-14-85	●	5 1000 450 070	261,25	-	-	●	5 1300 450 070	367,95	-	-		
450	3,0	50	240 HZ	4-15-80+4-14-85	●	5 1000 450 080	283,40	-	-	-	-	-	-	-		
450	3,0	50	200 HZ	4-15-80+4-14-85	%	5 1000 450 090	152,55	-	-	-	-	-	-	-		
450	3,0	50	180 HZ	4-15-80+4-14-85	%	5 1000 450 100	152,55	-	-	-	-	-	-	-		
450	3,0	50	160 HZ	4-15-80+4-14-85	●	5 1000 450 110	283,40	-	-	-	-	-	-	-		
450	3,0	50	120 HZ	4-15-80+4-14-85	●	5 1000 450 120	283,40	-	-	-	-	-	-	-		
450	3,5	40	0	2-15-80 + 2-15-100 + 4-12-64	●	5 1000 450 130	281,05	-	-	●	5 1300 450 130	403,55	-	-		
450	3,5	40	240 HZ	2-15-80 + 2-15-100 + 4-12-64	●	5 1000 450 140	305,50	-	-	%	5 1300 450 140	206,35	-	-		
450	3,5	40	200 HZ	2-15-80 + 2-15-100 + 4-12-64	%	5 1000 450 150	164,00	-	-	-	-	-	-	-		
450	3,5	40	180 HZ	2-15-80 + 2-15-100 + 4-12-64	●	5 1000 450 160	305,50	-	-	-	-	-	-	-		
450	3,5	40	160 HZ	2-15-80 + 2-15-100 + 4-12-64	●	5 1000 450 170	305,50	-	-	-	-	-	-	-		
450	3,5	40	120 HZ	2-15-80 + 2-15-100 + 4-12-64	●	5 1000 450 180	305,50	-	-	-	-	-	-	-		
450	3,5	50	0	4-15-80+4-14-85	●	5 1000 450 190	283,10	-	-	●	5 1300 450 190	403,55	-	-		
450	3,5	50	240 HZ	4-15-80+4-14-85	%	5 1000 450 200	164,00	-	-	-	-	-	-	-		
450	3,5	50	200 HZ	4-15-80+4-14-85	%	5 1000 450 210	164,00	-	-	-	-	-	-	-		
450	3,5	50	180 HZ	4-15-80+4-14-85	●	5 1000 450 220	306,80	-	-	-	-	-	-	-		
450	3,5	50	160 HZ	4-15-80+4-14-85	%	5 1000 450 230	164,00	-	-	-	-	-	-	-		
450	3,5	50	120 HZ	4-15-80+4-14-85	●	5 1000 450 240	306,80	-	-	-	-	-	-	-		
450	4,0	40	0	2-15-80 + 2-15-100 + 4-12-64	●	5 1000 450 250	318,90	-	-	●	5 1300 450 250	464,30	-	-		
450	4,0	40	240 HZ	2-15-80 + 2-15-100 + 4-12-64	●	5 1000 450 260	346,15	-	-	-	-	-	-	-		
450	4,0	40	200 HZ	2-15-80 + 2-15-100 + 4-12-64	%	5 1000 450 270	188,40	-	-	-	-	-	-	-		
450	4,0	40	180 HZ	2-15-80 + 2-15-100 + 4-12-64	●	5 1000 450 280	346,15	-	-	-	-	-	-	-		
450	4,0	40	160 HZ	2-15-80 + 2-15-100 + 4-12-64	%	5 1000 450 290	188,40	-	-	-	-	-	-	-		
450	4,0	40	120 HZ	2-15-80 + 2-15-100 + 4-12-64	●	5 1000 450 300	346,15	-	-	-	-	-	-	-		
450	4,0	50	0	4-15-80+4-14-85	●	5 1000 450 310	318,90	-	-	●	5 1300 450 310	464,30	-	-		
450	4,0	50	240 HZ	4-15-80+4-14-85	●	5 1000 450 320	346,15	-	-	-	-	-	-	-		
450	4,0	50	180 HZ	4-15-80+4-14-85	●	5 1000 450 330	346,15	-	-	-	-	-	-	-		
450	4,0	50	120 HZ	4-15-80+4-14-85	●	5 1000 450 340	346,15	-	-	-	-	-	-	-		
500	4,0	40	0	2-15-80 + 2-15-100 + 4-12-64	%	5 1000 500 010	241,40	-	-	%	5 1300 500 010	346,00	-	-		
500	4,0	40	260 HZ	2-15-80 + 2-15-100 + 4-12-64	-	-	-	-	-	-	-	-	-	-		

⚡ Sonderpreis / Sale Artikel. Lieferbar solange Vorrat. Special price / sale article. While stocks last.
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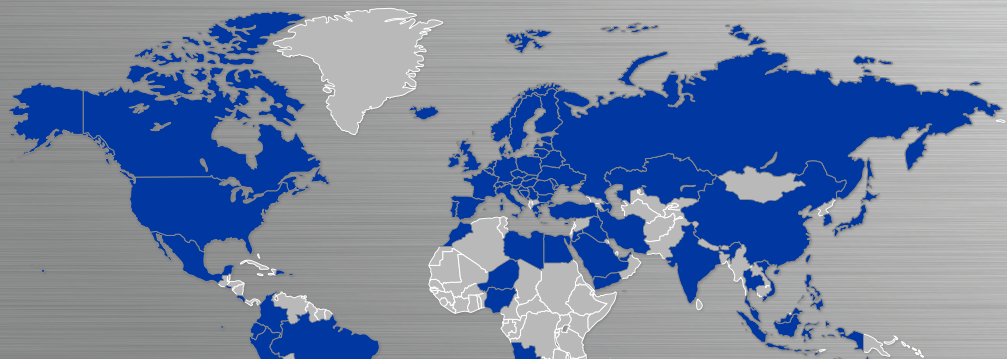
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